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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/754,377		01/05/2001	Katsuhiko Sumita	2224-0181P	2224-0181P 3526		
2292	7590	02/24/2004		EXAM	EXAMINER		
BIRCH ST PO BOX 74		KOLASCH & BIR	SHEWAREGEL	SHEWAREGED, BETELHEM			
102011.	•	A 22040-0747		ART UNIT PAPER NUMBER			
	,			1774			

DATE MAILED: 02/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	09/754,377	SUMITA ET AL.	nh:
Office Action Summary	Examiner	Art Unit	
	Betelhem Shewareged	1774	
The MAILING DATE of this communication app		correspondence addres	ss
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 03 December 2.104	'IS SET TO EXPIRE 3 MONTH(16(a). In no event, however, may a reply be tir within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE date of this communication, even if timely filed ecember 2003. eaction is non-final. fince except for formal matters, pro fix parte Quayle, 1935 C.D. 11, 45 anding in the application.	(S) FROM mely filed vs will be considered timely. The mailing date of this commu. (D) (35 U.S.C. § 133). The may reduce any Display the meaning of the me	unication.
5)⊠ Claim(s) <u>17</u> is/are allowed. 6)⊠ Claim(s) <u>1,13,14 and 16</u> is/are rejected. 7)⊠ Claim(s) <u>3,4,6,7 and 9</u> is/are objected to. 8)□ Claim(s) are subject to restriction and/or Application Papers 9)□ The specification is objected to by the Examiner 10)□ The drawing(s) filed on is/are: a)□ access	election requirement. r. epted or b) □ objected to by the		
Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Expression 11.	on is required if the drawing(s) is ob	jected to. See 37 CFR 1	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicat ity documents have been receive (PCT Rule 17.2(a)).	ion No ed in this National Sta	ge
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:		2)

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DETAILED ACTION

1. Applicant's response filed on 12/03/2003 has been fully considered. Claims 1, 3, 4, 6, 7, 9, 13, 14, 16 and 17 are pending.

Claim Rejections - 35 USC § 102

2. Claims 1, 13 and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Luckenbach (US 4,803,256).

Luckenbach discloses a method of treating a polyester textile in order to enhance the printability (col. 4, line 33) of the polyester by contacting the polyester with an active substance such as aromatic dicarboxylic acid (claims 4 and 13). The textile is woven (claim 9). With respect to solubility value of the organic acid it is elementary that the mere recitation of newly discovered function or property, inherently possessed by things in the prior art, does not cause a claim drawn to those things to distinguish over the prior art. *In re swinehart et al.*, 169 USPQ 226 at 229. Since the Luckenbach reference teaches all of Applicant's claimed compositional and positional limitations, it is inherent that the reference article function in the same manner claimed by Applicant. The burden is upon Applicant to prove that the subject matter shown to be in the prior art does not possess the characteristic relied on.

Claim Rejections - 35 USC § 103

3. Claims 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Luckenbach (US 4,803,256), as applied to claims 1, 13 and 16, above.

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Luckenbach does not disclose the claimed amount of the active substance. The experimental modification of this prior art in order to ascertain optimum operating conditions fails to render applicants' claims patentable in the absence of unexpected results. *In re Aller*, 105 USPQ 233. One of ordinary skill in the art would have been motivated to adjust the amount of the active substance in order to optimize the printability of the surface of the textile. A prima facie case of obviousness may be rebutted, however, where the results of the optimizing variable, which is known to be result-effective, are unexpectedly good. *In re Boesch and Slaney*, 205 USPQ 215.

Response to Arguments

4. Applicant's argument is based on that the prior art does not disclose aromatic dicarboxylic acid as the active substance; instead it discloses a copolymer of (A) ethylene glycol polyethylene glycol, (B) aromatic dicarboxylic acid and (C) alkali metal salt of a sulfonated aromatic dicarboxylic acid as the active substance. This argument is not persuasive because even though the copolymer of (A) ethylene glycol polyethylene glycol, (B) aromatic dicarboxylic acid and (C) alkali metal salt of a sulfonated aromatic dicarboxylic acid is not equivalent to the claimed aromatic dicarboxylic acid, the aromatic dicarboxylic acid is not recited in all the claims or at least in the independent claim 1. Furthermore, definition of an organic acid in the specification does not expressly exclude the prior art's active substance containing aromatic dicarboxylic acid.

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Applicant further argues that Luckenbach fails to tech the technical relation of printability and the aromatic dicarboxylic acid as well as the function or role of the aromatic dicarboxylic acid. This is not persuasive because Luckenbach discloses a method of treating a textile so as to enhance printability of the textile see col. 4, line 33 of Luckenbach.

Allowable Subject Matter

- 5. Claims 3, 4, 6, 7 and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The closest art Hamada et al. (US 6,177,181 B1) neither teaches nor suggests its porous membrane has an organic acid with certain solubility as the claimed invention.
- 6. Claim 17 is allowed. The closest art Luckenbach fails to disclose an aromatic dicarboxylic acid as the active substance.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Betelhem Shewareged whose telephone number is 571-272-1529. The examiner can normally be reached on Mon.-Thur. 7:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia H Kelly can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Betelhem'Shewareged

February 15, 2004.